

**Provisional Product List for NAICS 541340: Drafting Services\***

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Industry Subject Area	Working Group Code	Tri-lateral Detail	English Title	English Definition	Product Exists in:			National Product Detail			NAICS Industries Producing the Product			CPC Codes
					C	M	U	C	M	U	Canada	Mexico	U.S.	
54134	1.0		Drafting Services	Producing detailed layouts, plans, drawings, illustrations, graphics or models based on engineering or architectural specifications, for use in the design, manufacture, installation, construction, repair or maintenance of buildings, structures, systems or components.	X	X	X				541340 541510 514210	541340 541310 541320 541330 541510 514210 541410 61?	541340 541310 514210	83990
54134	1.1		Mechanical Drafting Services	Producing detailed layouts, plans, drawings, illustrations, graphics or models for use in the design, manufacture, installation, construction, repair or maintenance of a wide variety of mechanical and industrial equipment, systems and components. Examples include drawings for industrial and other machinery, equipment and parts; tools and dies; jigs and fixtures; mechanical systems and controls such as heating, ventilation and air conditioning, plumbing and fire protection; and industrial plant machinery layouts, process flow and instrumentation.	X	X	X				541340	541340 541310 541330	541340, 541310	83990
54134	1.1.1	X	Machine Drafting Services	Producing detailed layouts, plans, drawings, illustrations, graphics or models for the design, manufacture, installation, construction and repair of a wide variety of industrial tools, machines, equipment and parts. Examples include drawings for dies, moulds, jigs and fixtures; plastic injected part drawings, machined parts drawings, sheet metal drawings and cable/harness drawings. Types of drawings include working drawings, detail drawings, fabrications drawings, and exploded drawings.	X	X	X				541340	541340 541310 541330	541340, 541310	83990
54134	1.1.2	X	Mechanical Systems Drafting Services	Producing detailed layouts, plans, drawings, illustrations, or graphics for mechanical systems in a structure, such as heating, ventilation, and air conditioning, plumbing and fire protection.	X	X	X				541340	541340 541310 541330	541340, 541310	83990
54134	1.1.3	X	Mechanical Flow Diagram Drafting Services	Producing diagrams to show the flow of work from one machine to another in a production process.	X	X	X				541340	541340 541310 541330	541340, 541310	83990
54134	1.1.4	X	Industrial Machinery and Equipment Layout Drafting Services	Producing drawings for the layout of the machinery and equipment in an industrial plant.	X	X	X				541340	541340 541310 541330	541340, 541310	83990

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54134	1.2	X	Process Piping Systems Drafting Services	Producing detailed layouts, plans, drawings, illustrations, graphics or models for use in the design, installation, construction, repair or maintenance of piping systems in industrial operations and the oil and gas industry. Examples include scaled layouts, isometric drawings, plot plans and sections; piping spools and supports, process flow and process instrumentations diagrams, mechanical detailing, skid layout and plans, material take offs, and tank data sheets.	X		X				541340	541340	541340	83990
54134	1.3	X	Electrical and Electronic Drafting Services	Producing detailed layouts, plans, drawings, illustrations, graphics or models for use in the design, installation, construction, repair or maintenance of electrical systems, the transmission and distribution of electrical power, and for a wide variety of electronic systems and components.  Examples include transmission lines; primary and secondary line distributions; premises electrical schematics; building lighting and power layout plans; line diagrams; riser wiring; circuit board layout; block, logic, schematic and cabling diagrams; analog and digital circuitry; component assembly drawings and schematics; and specification, source and numerical control drawings.	X	X	X				541340	541340 541330	541340	83990
54134	1.4	X	Site Drafting Services for Civil Engineering Projects	Producing detailed layouts, plans, drawings, illustrations, graphics or models and topographical maps used to depict the site plan of civil engineering projects such as highways, bridges, pipelines, flood control projects and water and sewage systems.	X	X	X				541340	541340 541330	541340	83990
54134	1.5	X	Structural Drafting Services for Civil Engineering Projects	Producing detailed layouts, plans, drawings, illustrations, graphics or models for the structural components of civil engineering projects. Specialization may be by type of material, such as steel, timber, concrete or masonry. Examples of work produced include geometric layout, foundation or masonry plans, falsework plans, shop/detail and erection drawings, preparation of bills of materials, field bolt lists, rebars and advance order bills.	X	X	X				541340	541340 541330	541340	83990

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54134	1.6	X	Structural Drafting Services for Buildings	Producing detailed layouts, plans, drawings, illustrations, graphics or models for the structural components of buildings. Specialization may be by type of material, such as steel, timber, concrete or masonry. Examples of work produced include geometric layout, foundation or masonry plans, falsework plans, shop/detail and erection drawings, preparation of bills of materials, field bolt lists, rebars and advance order bills.	X	X	X				541340	541340 541310 541330	541340, 541310	83990
54134	1.7	X	Steel Detailing	Producing detail drawings for steel fabrication and connections. Includes detailing of bracing systems and frame work such as trusses and rolled beams; layout geometry; production of shop templates and shop detail drawings; and erection and connection diagrams.	X		X				541340	541340	541340, 541310	83990
54134	1.8	X	Other Engineering Drafting Services	Producing detailed layouts, plans, drawings, illustrations, graphics or models for use in design, manufacture, installation, construction, repair or maintenance in other specialized areas, such as transportation equipment and components, e.g. aeronautical/aerospace, naval/marine, and automotive.	X	X	X				541340	541340 541330	541340, 541310	83990
54134	1.9	X	Architectural Drafting Services	Producing detailed layouts, plans, drawings, illustrations, graphics or models depicting the architectural design of buildings. Includes drawings for purposes such as zoning, regulatory or client approval, permits and assembly or construction. (Excludes detailed drawings of structural components of buildings, which are placed in product 1.6, Structural Drafting Services for Buildings. Excludes drawings, renderings, models, or images of a project which are primarily artistic or esthetic in nature. These services are placed in product 1.10, Display and Presentation Services.)	X	X	X				541340	541340 541310	541340, 541310	83990
54134	1.9.1		Drafting of Architectural Plans, for Construction	Drawings reflecting the architectural design of buildings, with sufficient technical detail to be used in the construction phase of the project. (Excludes detailed drawings of structural components of buildings, which are placed in product 1.6, Structural Drafting Services for Buildings. Excludes drawings, renderings, models, or images of a project which are primarily artistic or esthetic in nature. These services are placed in product 1.10, Display and Presentation Services.)	X	X	X		X		541340	541340 541310	541340, 541310	83990

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54134	1.9.2		Drafting of Architectural Plans, for Negotiation with Clients	Drawings reflecting the architectural design of buildings, suitable for the purpose of negotiation with clients and design development. (Excludes detailed drawings of structural components of buildings, which are placed in product 1.6, Structural Drafting Services for Buildings. Excludes drawings, renderings, models, or images of a project which are primarily artistic or esthetic in nature. These services are placed in product 1.10, Display and Presentation Services.)	X	X	X		X		541340	541340 541310	541340, 541310	83990
54134	1.9.3		Drafting of Architectural Plans, for Zoning Approvals	Drawings reflecting the architectural design of buildings, acceptable for the purpose of obtaining zoning and similar regulatory approval. (Excludes detailed drawings of structural components of buildings, which are placed in product F, Structural Drafting Services for Buildings. Excludes drawings, renderings, models, or images of a project which are primarily artistic or esthetic in nature. These services are placed in product 1.10, Display and Presentation Services.)	X	X	X		X		541340	541340 541310	541340, 541310	83990
54134	1.10	X	Display and Presentation Services	The production of drawings, renderings, models or images of a project, intended to present the artistic, esthetic and similar qualities of the finished project.	X	X	X				541340	541340 541310	541340, 541310	83990
54134	1.11	X	Patent Drawing and Trademark Illustration	Producing formal patent drawings and trademark illustrations.	X		X				541340	541340	541340, 541310	83990
54134	1.12	X	Drafting of As-Built Drawings	Producing as-built drawings of the interior or exterior of commercial, industrial, institutional and residential buildings, and electrical, water, drainage and sewage systems. Used for renovations, restorations and facilities management. Includes on-site verification, and mark-ups.	X		X				541340	541340	541340, 541310	83219 83990
54134	1.13	X	Checking and Revision services	Checking and revision of architectural or engineering drawings.	X		X				541340	541340	541340, 541310	83990
54134	1.14	X	Drafting Consulting Services	Advice given on any aspect of drafting services.	X	X	X				541340	541340	541340	83139
54134	1.15	X	Drafting Training Services	The provision of training in drafting related skills.	X	X	X				541340	541340 61?	541340	92900
54134	1.16		Other Drafting Services	Includes other drafting services, such as interior design drafting services, landscape design drafting services, and all other drafting services not elsewhere classified.	X	X	X				541340	541340 541410 541320	541340	83410 83222 ?

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54134	1.16.1	X	Interior Design Drafting Services	Producing drawings and space plans for interiors of residential, commercial, industrial and institutional buildings. May include plans and details of ergonomics, interior finishes, fixtures, and partitions.	X	X	X				541340	541340 541410	541340	83410
54134	1.16.2	X	Landscape Design Drafting Services	Producing drawings of landscape plans for residential, commercial, industrial and institutional buildings, parklands, highways, and other projects.	X	X	X				541340	541340 541320	541340	83222
54134	1.16.3	X	Other Drafting Services, n.e.c	Includes other drafting services, not elsewhere classified.	X	X	X				541340	541340	541340	?
54134	1.17		Other Services	Includes other services not elsewhere classified, such as plotting and printing services, and conversion services.	X	X	X				541340 541510 514210	541340 541310 541330 541510 514210	541340 541510 514210	86921 ? 85960 ? ?
54134	1.17.1	X	Plotting and Printing Services	Using printers and plotting devices to generate plans or blueprints from technical drawings stored in machine readable format.	X	X	X				541340	541340 541310 541330	541340	86921 ?
54134	1.17.2	X	Conversion Services	Providing conversion services, such as conversions from one storage medium to another, including conversions of manual drawings to machine readable form; conversions from one file format to another; conversions between measurement systems; conversion of two-dimensional Computer Aided Drafting (CAD) drawings to three-dimensional Computer Aided Drafting (CAD) drawings; and file conversions from raster to vector.	X	X	X				541340 541510 514210	541340 541510 514210	541340, 541510, 514210	85960 ?
54134	1.17.3	X	Other Services, n.e.c	All other services, n.e.c	X	X	X				541340	541340	541340	?

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